NC/QC/PYZ/2017-18/A2-W9

Date: 01-07-2017

TEST REPORT ON WET MIX MACADAM MIX

(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements and Asphalting to roads at Agrahara Layout in Ward No 05.}
Ref.: Material testing/PMC/17-18,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Contractor: Mr. Achutha Murthy. K, Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	**100.00**	100
45.00	**98.05**	95-100
26.50	---	- -
22.40	**69.75**	60-80
11.20	**55.15**	40-60
4.75	**37.05**	25-40
2.36	**24.90**	15-30
0.600	**15.55**	8-22
0.075	**3.85**	0-5

*As Furnished by Client
The Results relate only to the items tested

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore

KIRAN. R
M.E Civil Engg.

For Newzen Consultants Bangalore

Proprietor

NEWZEN CONSULTANTS BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187 EMAIL:newzen576@gmail.com

Newzen Consultants Bangalore

Date: 01-07-2017

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	**25.95 %**	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	**26.05 %**	Not more than 35.0 %
3.	Water absorption, %	**0.35 %**	Not more than 2.0 %
4.	Plasticity Index, %	**NP**	Not more than 6.0 %

*As furnished by Client.

Note: The Results relate only to the items tested

Work Executive Engineer
Project Division
Karnataka Zone
Bangalore

KIRAN. R

For Newzen Consultants Bangalore

Proprietor

NEWZEN CONSULTANTS BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187 EMAIL:newzen576@gmail.com

NC/QC/PYZ/2017-18/A2-W10

Date: 01-07-2017

TEST REPORT ON WET MIX MACADAM MIX

(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements and Asphalting to roads at Agrahara Layout in Ward No 05.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Contractor: Mr. Achutha Murthy. K, Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	**100.00**	100
45.00	**97.85**	95-100
26.50	---	-
22.40	**74.45**	60-80
11.20	**51.95**	40-60
4.75	**35.10**	25-40
2.36	**24.25**	15-30
0.600	**16.75**	8-22
0.075	**4.35**	0-5

*As Furnished by Client

The Results relate only to the items tested

Asst. Executive Engineer, Project Division, Yelahanka Zone, Bangalore

KRAN. R

For Newzen Consultants Bangalore

Proprietor

NEWZEN CONSULTANTS BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187 EMAIL:

Date: 01-07-2017

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	**24.82 %**	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	**25.94 %**	Not more than 35.0 %
3.	Water absorption, %	**0.34 %**	Not more than 2.0 %
4.	Plasticity Index, %	**NP**	Not more than 6.0 %

*As furnished by Client.

Note: The Results relate only to the items tested

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

KHAN. R

For Newzen Consultants Bangalore

Proprietor

NC/QC/PYZ/2017-18/A2-W11 Date: 03-07-2017

TEST REPORT ON WET MIX MACADAM MIX

(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements and Asphalting to roads at Agrahara Layout in Ward No 05.}
Ref.: Material testing/PMC/17-18,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Contractor: Mr. Achutha Murthy. K, Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	**100.00**	100
45.00	**96.10**	95-100
26.50	---	-
22.40	**69.75**	60-80 -
11.20	**54.00**	40-60
4.75	**36.25**	25-40
2.36	**22.05**	15-30
0.600	**14.85**	8-22
0.075	**4.10**	0-5

*As Furnished by Client
The Results relate only to the items tested

Asst. Executive Engineer, Project Division, Yelahanka Zone, Bangalore

KIRAN. R

For Newzen Consultants Bangalore

Proprietor

NEWZEN CONSULTANTS BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231,

Date: 03-07-2017

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	**25.09 %**	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	**26.72 %**	Not more than 35.0 %
3.	Water absorption, %	**0.36 %**	Not more than 2.0 %
4.	Plasticity Index, %	**NP**	Not more than 6.0 %

As furnished by Client.

Note: The Results relate only to the items tested

KHAN. R

For Newzen Consultants Bangalore,

Proprietor

NC/QC/PYZ/2017-18/A2-W12 Date: 03-07-2017

TEST REPORT ON WET MIX MACADAM MIX

(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements and Asphalting to roads at Agrahara Layout in Ward No 05.}
Ref.: Material testing/PMC/17-18,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Contractor: Mr. Achutha Murthy. K, Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	**100.00**	100
45.00	**98.15**	95-100
26.50	---	-
22.40	**74.85**	60-80
11.20	**54.70**	40-60
4.75	**30.05**	25-40
2.36	**27.15**	15-30
0.600	**19.25**	8-22
0.075	**3.85**	0-5

*As Furnished by Client
The Results relate only to the items tested

Asst. Executive Engineer Project Division Yelahanka Zone Bangalore

Page No. 1/2,

KRAN. R

For Newzen Consultants Bangalore

Proprietor

Date: 03-07-2017

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	**25.89 %**	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	**26.33 %**	Not more than 35.0 %
3.	Water absorption, %	**0.35 %**	Not more than 2.0 %
4.	Plasticity Index, %	**NP**	Not more than 6.0 %

*As furnished by Client.

Note: The Results relate only to the items tested

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

KIRAN. R

For Newzen Consultants Bangalore

Proprietor

NEWZEN CONSULTANTS BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231,

NC/QC/PYZ/2017-18/A2-W13 Date: 04-07-2017

TEST REPORT ON WET MIX MACADAM MIX

(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements and Asphalting to roads at Agrahara Layout in Ward No 05.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Contractor: Mr. Achutha Murthy. K, Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	**100.00**	100
45.00	**96.85**	95-100
26.50	---	- -
22.40	**70.25**	60-80
11.20	**54.65**	40-60
4.75	**34.55**	25-40
2.36	**24.40**	15-30
0.600	**17.60**	8-22
0.075	**3.45**	0-5

*As Furnished by Client

The Results relate only to the items tested

Assistant Executive Engineer, Project Division, Yelahanka Zone, Bangalore

KIRAN. R

For Newzen Consultants Bangalore

Proprietor

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Date: 04-07-2017

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	**25.74 %**	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	**25.96 %**	Not more than 35.0 %
3.	Water absorption, %	**0.35 %**	Not more than 2.0 %
4.	Plasticity Index, %	**NP**	Not more than 6.0 %

*As furnished by Client.

Note: The Results relate only to the items tested

Assistant Executive Engineer, Project Division, Vellhenka Zone, Bangalore

KIRAN. R

For Newzen Consultants Bangalore

Proprietor

NEWZEN CONSULTANTS BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187 EMAIL:newzen576@gmail.com

NC/QC/PYZ/2017-18/A2-W14 Date: 04-07-2017

TEST REPORT ON WET MIX MACADAM MIX

(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements and Asphalting to roads at Agrahara Layout in Ward No 05.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Contractor: Mr. Achutha Murthy. K, Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	**100.00**	100
45.00	**96.75**	95-100
26.50	---	-
22.40	**75.05**	60-80
11.20	**52.85**	40-60
4.75	**32.45**	25-40
2.36	**23.15**	15-30
0.600	**18.35**	8-22
0.075	**3.90**	0-5

*As Furnished by Client

The Results relate only to the items tested

Asst. Executive Engineer, Project Division, Yelahanka Zone, Bangalore

For Newzen Consultants Bangalore

Proprietor

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Date: 04-07-2017

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	**26.03 %**	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	**27.42 %**	Not more than 35.0 %
3.	Water absorption, %	**0.37 %**	Not more than 2.0 %
4.	Plasticity Index, %	**NP**	Not more than 6.0 %

* as furnished by Client.

Note: The Results relate only to the items tested

Asst. Executive Engineer
Project Division
Vijayanagara Zone
Bangalore

KRAN. R

For Newzen Consultants Bangalore

Proprietor

NEWZEN CONSULTANTS BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187 EMAIL:newzen576@gmail.com

NC/QC/PYZ/2017-18/A2-W15 Date: 05-07-2017

TEST REPORT ON WET MIX MACADAM MIX

(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements and Asphalting to roads at Agrahara Layout in Ward No 05.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Contractor: Mr. Achutha Murthy. K, Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	**100.00**	100
45.00	**97.25**	95-100
26.50	---	-
22.40	**76.85**	60-80
11.20	**55.45**	40-60
4.75	**35.60**	25-40
2.36	**22.00**	15-30
0.600	**19.05**	8-22
0.075	**4.15**	0-5

*As Furnished by Client

The Results relate only to the items tested

KIRAN. R

For Newzen Consultants Bangalore

Proprietor

NEWZEN CONSULTANTS BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187 EMAIL:

Date: 05-07-2017

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	**25.19 %**	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	**26.63 %**	Not more than 35.0 %
3.	Water absorption, %	**0.35 %**	Not more than 2.0 %
4.	Plasticity Index, %	**NP**	Not more than 6.0 %

Project Division Yelahanka Zone Bangalore

KHAN. R

For Newzen Consultants Bangalore

Proprietor

NEWZEN CONSULTANTS BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187 EMAIL :newzen576@gmail.com

NC/QC/PYZ/2017-18/A2-B1 Date: 03-07-2017

1. TEST REPORT ON BITUMEN SAMPLE:

Sub: Testing of Bitumen sample VG-30 Grade.
{Project*: Improvements and Asphalting to roads at Agrahara Layout in Ward No 05.}
Ref.: Material testing/PMC/17-18,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Contractor: Mr. Achutha Murthy. K, Bangalore.
Technical Reference: Ministry of Road Transport and Highways, V Revision, 2013 and IS 73: 1992.

TABLE 1.1 ;

Sl. No	Details	Test Results	Requirements as per I.S 73 –1992 Specifications
1.	Penetration at 25^0 C	**49.0**	Min. 45
2.	Ductility Value at 25^0 C	**103.0 cm**	40
3.	Flash point	**238^0 C**	Minimum 220^0 C
4.	Softening point	**51.5^0 C**	Min. 47

*As furnished by Client.
The results relate only to the samples tested.

Assistant Executive Engineer Project Division Yelahanka Zone Bangalore

Page No. 1/1,

KRAN. R

For Newzen Consultants Bangalore

Proprietor